Ho Zoon Chae

List of Publications by Year
in descending order

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28 papers	6,027 citations	279701 23 h-index	501076 28 g-index
28 all docs	28 docs citations	28 times ranked	5702 citing authors

#	Article	IF	Citations
1	Peroxiredoxins: A historical overview and speculative preview of novel mechanisms and emerging concepts in cell signaling. Free Radical Biology and Medicine, 2005, 38, 1543-1552.	1.3	1,232
2	Activation of the Î²1 isozyme of phospholipase C by Î± subunits of the Gq class of G proteins. Nature, 1991, 350, 516-518.	13.7	798
3	Mammalian Peroxiredoxin Isoforms Can Reduce Hydrogen Peroxide Generated in Response to Growth Factors and Tumor Necrosis Factor-Î±. Journal of Biological Chemistry, 1998, 273, 6297-6302.	1.6	615
4	Reversing the Inactivation of Peroxiredoxins Caused by Cysteine Sulfinic Acid Formation. Science, 2003, 300, 653-656.	6.0	523
5	Inactivation of Human Peroxiredoxin I during Catalysis as the Result of the Oxidation of the Catalytic Site Cysteine to Cysteine-sulfinic Acid. Journal of Biological Chemistry, 2002, 277, 38029-38036.	1.6	394
6	Regulatory Role for a Novel Human Thioredoxin Peroxidase in NF-ÎºB Activation. Journal of Biological Chemistry, 1997, 272, 30952-30961.	1.6	382
7	Characterization of three isoforms of mammalian peroxiredoxin that reduce peroxides in the presence of thioredoxin. Diabetes Research and Clinical Practice, 1999, 45, 101-112.	1.1	345
8	Reversible Oxidation of the Active Site Cysteine of Peroxiredoxins to Cysteine Sulfinic Acid. Journal of Biological Chemistry, 2003, 278, 47361-47364.	1.6	216
9	Isoforms of mammalian peroxiredoxin that reduce peroxides in presence of thioredoxin. Methods in Enzymology, 1999, 300, 219-226.	0.4	210
10	Removal of Hydrogen Peroxide by Thiol-specific Antioxidant Enzyme (TSA) Is Involved with Its Antioxidant Properties. Journal of Biological Chemistry, 1996, 271, 15315-15321.	1.6	208
11	Cyclophilin A Binds to Peroxiredoxins and Activates Its Peroxidase Activity. Journal of Biological Chemistry, 2001, 276, 29826-29832.	1.6	178
12	Irreversible Oxidation of the Active-site Cysteine of Peroxiredoxin to Cysteine Sulfonic Acid for Enhanced Molecular Chaperone Activity. Journal of Biological Chemistry, 2008, 283, 28873-28880.	1.6	154
13	Protein Glutathionylation in the Regulation of Peroxiredoxins: A Family of Thiol-Specific Peroxidases That Function As Antioxidants, Molecular Chaperones, and Signal Modulators. Antioxidants and Redox Signaling, 2012, 16, 506-523.	2.5	109
14	Characterization of diverse natural variants of CYP102A1 found within a species of Bacillus megaterium. AMB Express, 2011, 1, 1.	1.4	107
15	Regulation of Thioredoxin Peroxidase Activity by C-terminal Truncation. Archives of Biochemistry and Biophysics, 2002, 397, 312-318.	1.4	103
16	Regulation of Macrophage Migration Inhibitory Factor and Thiol-specific Antioxidant Protein PAG by Direct Interaction. Journal of Biological Chemistry, 2001, 276, 15504-15510.	1.6	90
17	Peroxiredoxin-I is an autoimmunogenic tumor antigen in non-small cell lung cancer. FEBS Letters, 2005, 579, 2873-2877.	1.3	80
18	Thioredoxin modulates activator protein 1 (AP-1) activity and p27Kip1 degradation through direct interaction with Jab1. Oncogene, 2004, 23, 8868-8875.	2.6	66

#	Article	IF	Citations
19	Novel Protective Mechanism against Irreversible Hyperoxidation of Peroxiredoxin. Journal of Biological Chemistry, 2009, 284, 13455-13465.	1.6	43
20	Peroxidase Activity of a TSA-Like Antioxidant Protein from a Pathogenic Amoeba11These investigations were supported in part by NIH grant GM50389 and CTR grants SA006 and 4501 to L.B.P. and NIH grant AI28188 to B.E.T.. Free Radical Biology and Medicine, 1997, 23, 955-959.	1.3	41
21	Peroxiredoxin is Ubiquitously Expressed in Rat Skin: Isotype-Specific Expression in the Epidermis and Hair Follicle. Journal of Investigative Dermatology, 2000, 115, 1108-1114.	0.3	29
22	Heterologous expression and characterization of wild-type human cytochrome P450 1A2 without conventional N-terminal modification in Escherichia coli. Protein Expression and Purification, 2008, 57, 188-200.	0.6	28
23	Redox-regulated cochaperone activity of the human DnaJ homolog Hdj2. Free Radical Biology and Medicine, 2006, 40, 651-659.	1.3	27
24	Periovulatory Expression of Hydrogen Peroxide-Induced Sulfiredoxin and Peroxiredoxin 2 in the Rat Ovary: Gonadotropin Regulation and Potential Modification. Endocrinology, 2012, 153, 5512-5521.	1.4	18
25	Molecular characterization of a 2-Cys peroxiredoxin induced by abiotic stress in mungbean. Plant Cell, Tissue and Organ Culture, 2012, 108, 473-484.	1.2	11
26	Distinct functional roles of peroxiredoxin isozymes and glutathione peroxidase from fission yeast, Schizosaccharomyces pombe. BMB Reports, 2010, 43, 170-175.	1.1	11
27	Structural and biochemical analyses reveal ubiquitin C-terminal hydrolase-L1 as a specific client of the peroxiredoxin II chaperone. Archives of Biochemistry and Biophysics, 2018, 640, 61-74.	1.4	5
28	Peroxiredoxins are required for spindle assembly, chromosome organization, and polarization in mouse oocytes. Biochemical and Biophysical Research Communications, 2017, 489, 193-199.	1.0	4